Industry Day

7 January 2009

Small Business Set-Aside
Ammunition ID/IQ Contracting

Industry Day Intention

- Industry Day is for information and planning purposes only. This does not constitute a formal solicitation or a Request For Proposals (RFP). This is not to be construed as a commitment by the Government in any way.

- The Government does not intend to award a contract on the basis of this Industry Day or otherwise pay respondents for participation in this event. Should a RFP be issued, any information contained within the RFP supersedes this Industry Day.

Agenda

Time	Presentation Topic
0800-0900	Registration
0900-0910	Opening Remarks – Welcome/Admin
0910-0920	COL Ole Knudson, PM CAS
0920-0925	Intro to Government Participants
0925-0945	PM CAS IDIQ Perspective
0945-1045	Draft RFP/Acquisition Process/Strategy Sample Pricing Matrix
1045-1130	Technical Program Requirements Overview Navigating TDPs - Demo with CD
1130-1300	Lunch
1300-1400	Answers to Industry Day Questions

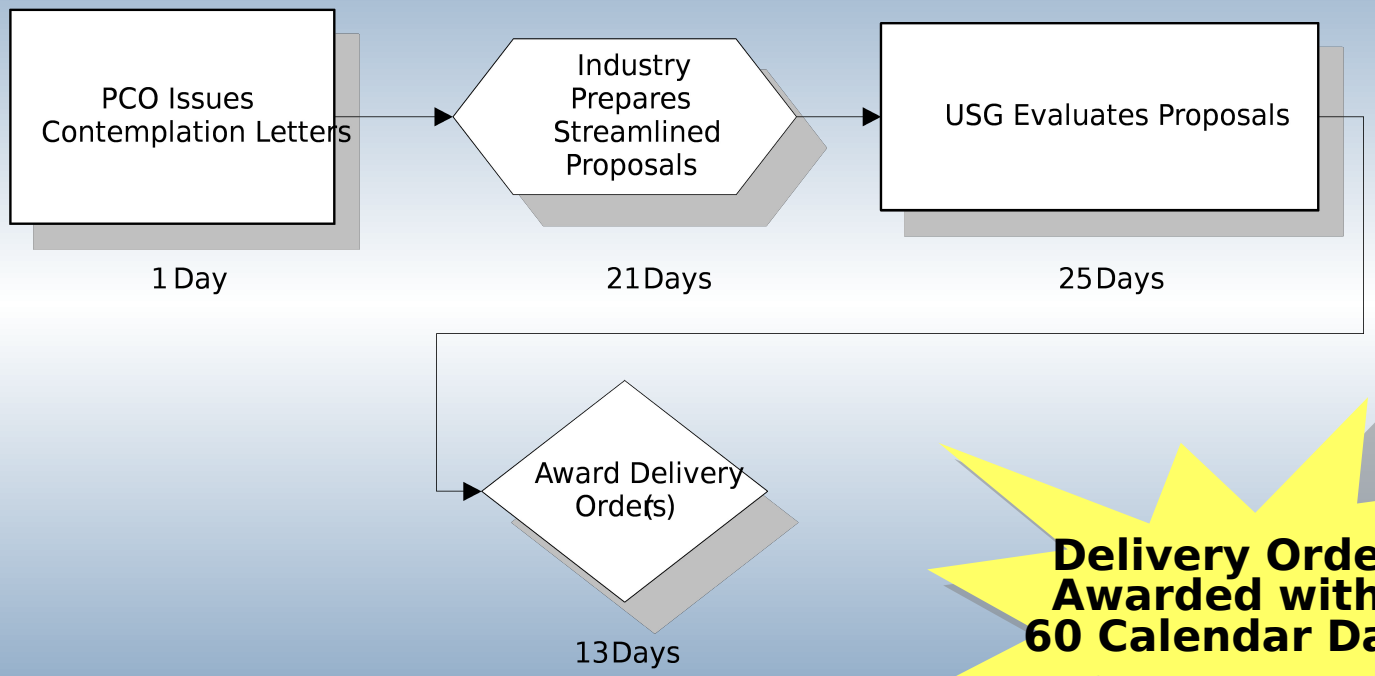
Industry Day

COL Ole Knudson
PM CAS

USG and Industry IDIQ Advantages

- Reduce contract burdens for the USG and contractors (preparation and evaluation)
- Maintain competitive situations throughout IDIQ period
- Contractors qualified up front based upon one time comprehensive proposal evaluated on:
  - ✓ Technical
    - Manufacturing Plan,
    - Quality Assurance and Critical Safety Characteristics and
    - Management Plan
  - ✓ Past Performance
    - Quality
    - On-Time Delivery
  - ✓ Price
- Streamlined Process – Follow on Delivery Orders issued based on Price and Schedule (technical and/or past performance as needed)
- Opportunities annually for:
  - ✓ Budget Requirements (Dec-Mar)
  - ✓ Supplementals (Jun-Aug)
  - ✓ Foreign Military Sales/Surge (Oct-Sep)

Delivery Order Award Process/Timeline



Delivery Orders Awarded within 60 Calendar Days

Government Participants

- PM: Combat Ammunition Systems (PM CAS)

  COL Ole Knudson - PM
  Mr. Rene Kiebler - DPM
  Mr. Matt Butler – Chief, CAD
  Ms. Maryellen Lukac – Director, Business Management
  Mr. Ron Rapka – Chief, Acquisition Planning
  Mr. Aaron Rappaport – Artillery Acquisition Manager
  Mr. Tim Joens – Mortar Acquisition Manager
  Mr. Ray Colon – Chief, Mortar Ammo
  Mr. Ken Hurban – Chief, Artillery Ammo
  Mr. Eric Gleason – Acquisition Analyst
  Mr. Steve Gaida – Acquisition Analyst

- Engineering Support: Armament, Research, & Engineering Center (ARDEC)

  Mr. August Thiesing – Quality Engineer, Artillery
  Mr. Charlie D'Amato – Engineer, Metal Parts Production
  Mr. Alvin Lew – Packaging Supervisor
  Mr. Gerry Marek – QE&SA Chief Mortars
  Mr. Manny Munoz – QE&SA Chief, Artillery
  Mr. Michael Farrell /Mr. Larry Niebuhr / Mr. Mark Dorr – JMC Program Lead
  Mr. Vinod Kapoor / Mr. David Basala – Configuration Management Officers
  Mr. King Ng – Quality Engineering, Mortars
  Ms. Lucy Kahn / Mr. Bryan Arensdorff – PQMs
  Mr. Shin Chun – Parachutes, Artillery

- Contracting Centers/Legal:

	Picatinny	Rock Island
Contracting Officer	Mr. Errol Chisholm	Mrs. Donna Ponce/Mrs. Marianne Whitmer
Contract Specialist	Ms. Magda Szymanski	Mr. Chris Eischen/Sheila Peters
Price Analyst	Mr. Jon Stebal	Mrs. Laurie Lampo
Legal Advisor	Mr. Mark Walsh	Mr. Rick Murphy

IDIQ Perspective

- Pursuing Indefinite Delivery Indefinite Quantity (IDIQ) contracts for recurring ammunition production buys, FY 09 and beyond
  - ✓ Contractors can propose on 1 or more components
  - ✓ Pre-qualify contractors
    - Technically acceptable – IDIQ award
    - Delivery Order
  - ✓ Contract Period of Performance
    - 5 year base
    - Optional additional 5 year period
  - ✓ Streamlined evaluation process
  - ✓ Plan multiple awards for some components
- Both Picatinny and Rock Island Acquisition Centers
- Minimum guarantee
- Qualified vendors with IDIQ contracts will compete for delivery orders (Fair Opportunity)

Contracting Strategy

- FY09 Mortar and Artillery Components - SBSA
  - ✓ Award multiple Best Value IDIQ contracts
  - ✓ Evaluation will include sample buys
  - ✓ Goal is to award basic contracts and compete delivery orders among basic contract awardees
- Delivery order competitions will be in accordance with:
  - ✓ Streamlined Ordering Processes
  - ✓ Uniform Procedures and Regulations
  - ✓ Award will be based on an evaluation of price and schedule (technical and/or past performance as needed)

Up Front Qualification of Industry Partners Saves Time and $$$

Advantages of Multiple Award IDIQ Contracts

- Streamlined Business Process
- Avoids costly and multiple source selection processes
- Rapidly execute unanticipated requirements
- Provides Industry with a longer term contract vehicle
- Contractor is not required to bid on more than 1 component
- One contractor can qualify for multiple components
- Saves Industry repetitive proposal costs once IDIQ qualified
- Government reserves right to augment contractors

Mortar and Artillery Components SBSA - IDIQ Timeline

- Issue Synopses — Completed
- Issue Draft Solicitations — Completed
- Industry Day Acquisition Briefings
  - ✓ Rock Island — 7 Jan 09
  - ✓ Picatinny — 16 Jan 09
- Issue Formal Request for Proposals — Jan 09
- Receive Proposals — Mar 09
- Start Awarding IDIQ Contracts — Apr 09 - Jul 09
- Issue Delivery Orders — Life of Contract

ASC, Rock Island, IL – RFP W52P1J-08-R-0088

Component Item	Technical Data Pkg Drawing No.	Distribution Level	Estimated 10 Year Quantities
M24 Fin Assembly	11726889	D	7.7M
M27, Fin Assembly	11751196	D	3.4M
M28, Fin Assembly	9327831	D	324.9K
M29, Fin Assembly	9381586	D	252.4K
M231, Container	12972583	F	4.6M
M232A1, Container	12961080	F	4.8M
Main Parachute, M485	9214149	A	440.5K
Drogue Parachute, M485	9251604	A	440.5K
Universal Lifting Plug, M485	9345325	A	457.4K
Delay Element, M485	9213707	D	440.5K
105mm Parachute	9206746	A	198.5K
60mm Parachutes	9345345	D	172.8K
81mm Parachutes	9381075	D	214.5K
120mm Parachutes	12577643	C	634.5K
M107/M804 Lifting Plug	13015329	A	3M
Universal Lifting Plug, M110	9345325	A	859.5K

JM&L LCMC, Picatinny, NJ – RFP W15QKN-09-R-0364

Component Item	Technical Data Pkg Dwg No.	Dist Level	Estimated 10 Year Quantities
Shell Body, Proj 60mm, HE, M720A1/M768	12991155	D	2 M
Shell Body, Proj 60mm, HE, M720/M888 MPA	11751150	D	3.9M
Shell Body, Painted, 60mm, M769	12993716	D	679.1K
Shell Body, Proj 81mm, HE, M821A1/M821A2	12630554	D	2.4M
Shell Body, Proj 81mm, HE, M889A1	12630554	D	3.3M
Shell Body, Proj 81mm, HE, M889A2	12630554	D	640.7K
Shell Body, Proj 81mm, Practice, M879/M879A1	9310342 / 13004329	D/D	1.3M
Shell Body, Proj 60mm, WP, M722/M722A1	9395680	D	63.7K
Body Tube and Tail Cone, f/ Proj 60mm, Illum, M721/M767(IR)	9345348 / 9345342	A/A	172.8K
Body Tube and Tail Cone, f/ Proj 81mm, Smoke, M819	9327832 / 9300233	A/A	324.9K
Body Tube and Tail Cone, f/ Proj 81mm, Illum, M853A1	9349905 / 9327836	A/A	110.6K
Body Tube and Tail Cone, f/ Proj 81mm, Illum, M816 (IR)	9349905 / 9327836	A/A	104K
Spin Brake Metal Parts (MPTS), f/ M485	9213709	A	440.5K
Canister MPTS, f/ M485	9213709	A	440.5K
Candle MPTS, f/ M485	9213702	A	440.5K
Candle MPTS, f/ M314A3	9206755	A	198.5K
Closing Plug, f/ M314A3	9282892	A	206.2K
Shock Attenuating Lifting Plug, f/ Proj 155mm, M795	9341742	A	683.6K
Wirebound Box, f/ 105mm, Projectile Gun Unit & Fuzes	9278402	A	335K
Container, Cush Assy, PA 117, f/ Proj 105mm, M314	12934904	A	198.5K
Container, Fiber, M105A3, f/ Proj 105mm, M314	7549073	A	3.1M
Container, Fiber, PA175/PA189, f/ 60mm M721/M767/M722A1	13006170 / 13018948	D	162.8K
Container, Fiber, PA162, f/ 81mm M819/M816/M853A1	12993641	D	539.4K
Container, Fiber, PA167, f/ 120mm M983/M930	12995106	D	975.5K

Potential for Multiple Delivery Order Awards

- Contractor Capacity Constraints
- Single Point Failure
- Maintain the Industrial Base
- Meet Critical Delivery Schedules
- Meeting Warfighter Needs
- Foreign Military Sales/Surge Requirements
- Supplemental Funding

US ARMY CONTRACTING COMMAN
OCK ISLAND CONTRACTING CENT

Donna S. Ponce
Contracting Officer
309-782-4535

W52P1J-08-R-0088

- 100% Small Business Set-Aside
- Best Value Source Selection
- Fifteen CLINs for various Artillery and Mortar Components
- Multiple Award IDIQ contracts for each CLIN (2 or more)
- Individual Pricing will be required for each CLIN/proposal
- Individual IDIQ contracts will be awarded for each CLIN
- Delivery Schedules will be provided in Letter of Contemplation
- Draft Solicitation and all other pertinent documents will be uploaded at:
  - http://www.aschq.army.mil/ac/aais/ioc/ArtilleryMortar/Artillery.aspx
- Established Closing Dates for each CLIN will be set forth in the final solicitation.

Section A

Executive Summary- Provides synopsis of important and relevant features of the solicitation. Summary starts on Page 2 of the solicitation.

- A-1- ORCA (Online Representation and Certifications) Applications:

  1. Must Register at https://orca.bpn.gov/login.aspx

  2. Will need your Cage Code and DUNS Number

- A-2 Notice: Use of Government Owned Property

Section B

Section B- List of Supplies and Schedules

- Provides CLIN structure
- Notice to Submit Prices on Pricing Matrix, Attachment 0025
- Stand Alone (Individual) Proposal must be submitted for each CLIN.
- Final Solicitation will include First Article Test (FAT) production and full production schedules.

Section C

Section C- Description/Specification/Work Statement

- All CLIN’s with a Distribution Statement A- Technical Data Package (TDP) Engineering Exceptions will be listed in Section C of solicitation

- All CLIN’s with a Distribution Statement C, D or F- TDP Engineering Exceptions will be provided with TDP CD-ROM after all required paperwork has been submitted.

Section C Continued

- C-3 Statement of Work (Ammunition Data Cards and Report of Contractor Ballistic Testing- Applies to CLIN 0005 (M231 Container) and CLIN 0006 (M232A1 Container) only.

- C-5 Phosphate Coating Requirement (Heavy)- Applies to CLIN 0010 (105mm Parachute) only.

- C-6 Phosphate Coating Requirement (Light)- Applies to CLIN 0014 (Universal Lifting Plug) and CLIN 0015 (M107/M804 Lifting Plug) only.

Section D

Section D- Packaging and Marking

- All CLIN’s with a Distribution Statement A- packaging and marking information will be set forth in Section D of solicitation.

- All CLIN’s with a Distribution Statement C, D or F- packaging and marking information will be provided with TDP CD-ROM after all required paperwork has been submitted.

US ARMY JOINT MUNITIONS COMMAND
Bryan Arensdorff
Product Quality Manager
ARMATI
COMPARATOR
CUSTOS

Section E

Section E- Inspection and Acceptance

E-2 First Article Test (Contractor Testing)- Requirements identified for each CLIN

- Objective:
  - ✓ -Demonstrate the materials used, manufacturing processes employed, workmanship standards utilized, and the method employed for the control of quality are capable of meeting all of the requirements stipulated in the contract or PRON.
  - ✓ -Assure that producer personnel have correctly interpreted and complied with the technical requirements for the item being procured.
  - ✓ -Assure, through examinations and tests, that the producer's personnel demonstrate expertise in performing required inspections and tests.

- Tasks required prior to presentation of a First Article
  - ✓ -Submit gage designs for approval
  - ✓ -Develop and submit plans/procedures (SPC, Quality, etc)
  - ✓ -Process certifications
  - ✓ -Procure/build gages upon design approval
  - ✓ -Develop gage/inspection instructions
  - ✓ -Gage design verification
  - ✓ -Build the product samples
  - ✓ -Document inspection results
  - ✓ -Build sample data card
  - ✓ -Notify Contracting Officer at least XX calendar days in advance of the scheduled date for final inspection and test of the first article.

Section E Continued

E-2 FAT, continued…

- First Article Product Samples shall be
  - ✓ -Representative of items to be manufactured using the same processes and procedures, at the same facility as contract production.
  - ✓ -Produced using parts and materials, including packaging and packing, obtained from the same source of supply as will be used during regular production.
  - ✓ -The samples shall be inspected and tested by the contractor for all requirements of the drawing(s), Quality Assurance Provisions, and specifications.

  First Article Test Report : Contractor shall document the results of all inspections & tests. FAT report shall be submitted to the procuring office through the local QAR

E-3 Higher Level Contract Quality Requirements- Quality Management System

-The producer shall <u>comply</u> with: ISO 9001-2000; only design/development exclusions permitted, OR

-Alternative plans allowed

-Clause <u>DOES NOT</u> require registration

-Prime/Sub-contractor QMS Audits – Plan to conduct annual audits

Section E Continued

- E-4 MIL-STD-1916
- Disposition of product in accordance with MIL-STD-1916 rules
- Allows for disposition per:
  - ✓ Standard AOZ tables based on detection
    - Default method
    - Attribute or Variable
  - ✓ Prevention based
    - Preferred method
    - Allows producer flexibility

- E-5 Statistical Process Control
  - ✓ -Statistical Process Control (SPC) Program Plan consists of a General and a Detailed Plan
    - General Plan – provides facility policy and procedure for SPC
    - Detailed Plan – provides a in depth plan for how SPC applies to the particular item on contract
  - ✓ -Mandatory characteristics for SPC will be included within the contract clause
  - ✓ -Producer shall review all process and operation parameters for possible application of SPC techniques
  - ✓ -Review to include those processes and operations under the control of subcontractor or vendor facilities

Section E Continued

E-6 Rework and Repair of Nonconforming Material:

-Definitions of Rework and Repair

-Requires the submission of Rework and Repair for review and approval

-Repair procedures shall be submitted on a Request for Deviation, DD Form 1694

-The rework or repair procedure shall also contain a provision for re-inspection

-The submission shall also include a description of the cause for the nonconformance and a description of the action taken or to be taken to prevent recurrence

E-7 Acceptance Inspection Equipment (AIE)

- ✓ -Designs to be submitted for all examinations and tests required by the item specifications
- ✓ -Inspection procedures and designs must be approved prior to First Article, if required
- ✓ -Assures product is inspected and dispositioned under controlled conditions

E-9 Critical Characteristics (Six Sigma)- Applies to CLIN 0001-0004

- ✓ -Processes designed to have no more than one Critical non-conformance escape in one million items delivered
- ✓ -Requires producer to manage all aspects regarding the production of critical characteristics
- ✓ -Use of automated inspection equipment, where feasible
- ✓ -A Quality system that ensures non-conformances are identified and segregated
- ✓ -Data requirements; Critical Characteristic Control Plan, Notification of defect occurrence, Restart request after mandatory shutdown, and Critical Plan of Action (voluntary)
- ✓ -Contractor must clearly understand this clause when it applies, ask questions if necessary

Section F

Section F- Deliveries or Performance

- F.O.B. Destination

Section G

Section G- Contract Administration Data

- G-1 Wide Area Workflow Receipt and Acceptance (WAWF-RA) for electronic processing of receipt/acceptance (DD-250) documents and payment
- Register for WAWF-RA at https://wawf.eb.mil
- Contractor will input DD250's for signature and approval and submit invoices for payment. System syncs up to DFAS for payment processing. Less Paperwork!

Section H

Section H- Special Contract Requirements

- H-1 Progress Payment Limitation
- H-2 Instructions for preparation and submission of Production Progress R**e**ports.

Section I

Section I- Contract Clauses

- I-26 Limitations on Subcontracting
- I-105 First Article Approval - Contractor Testing, each CLINs requirements are identified
- I-106 Ordering - Supplies to be furnished under this contract shall be ordered by issuance of delivery orders
- I-107 Ordering Limitations – minimum/maximum order obligations by both Government and contractor
- I-108 Indefinite Quantity
- I-109 Progress payments - The Government will make progress payments to the Contractor when requested as work progresses

Section I Continued

- I-111 Warranty of Supplies of a Non-Complex Nature
  * Contractor Warrants items for 1,095 days
  * Contracting Officer will give written notice of any breach of warranties within 120 days
- I-112 Safeguarding Sensitive Conventional Arms, Ammunition and Explosives- Applies to CLIN 0010
- I-118 Hazard Warning Labels- Applies to CLINs 0005 and 0006
- I-120 Authority of Government Representative- the CONTRACTING OFFICER is the ONLY person authorized to make any changes to the contract.

Section J

Section J- List of Attachments/Exhibits

Exhibits A thru Q- Contract Data Requirements List (CDRL) for each CLIN

Attachment 0001-0015- Document Summary Lists for each CLIN

Attachment 0016- Instructions for Completing DD Form 1423

Attachment 0017- Guidance on Documentation of CDRL

Attachment 0018- Address Code DL for ECP/RFD/VECP

Attachment 0019- Data Delivery Description- ECP

Section J Continued

Attachment 0020- Data Delivery Description- NOR

Attachment 0021- Data Delivery Description- RFD

Attachment 0022- IOC Form 715-3/Defense Priorities and Allocation System

Attachment 0023- SF LLL/ Disclosure of Lobbying Activities

Attachment 0024- Address List

Attachment 0025- Pricing Matrix

Section K

Section K- Representations, Certifications and Other Statements of Offerors

- Complete all entries and fill-ins
- CCR Registration- If new entity, register at http://orca.bpn.gov

Section L

Section L- Instructions, Conditions and Notices to Offerors

- This section is very important, it contains proposal submission instructions as well as specific proposal requirements for the various mortar and artillery components identified in Section A.
- Offerors shall provide information by addressing each Factor/Sub-factor in the format and sequence identified in the solicitation. The Offerors must provide information in sufficient detail to allow the Government to make a best value assessment of the offerors capability to support the proposed/required Technical, Past Performance, and Price.

Section L Continued

Format For Proposal:

- Volume I - Technical Factor (maximum 75 pages)
- Sub-factor 1: Manufacturing Plan
- Sub-factor 2: Quality Assurance and Critical Safety Characteristics Plan
- Sub-factor 3: Management Plan
- Copies: six (6) hard copies and two (2) CD copies

Section L Continued

Format For Proposal:

- Volume II – Past Performance (unlimited number of pages)
- Sub-factor 1: Quality
- Sub-factor 2: On-Time Delivery
- Copies: four (4) hard copies and two (2) CD copies

Section L Continued

Format For Proposal:

- Volume III – Price Factor (completed Pricing Matrix)
  *Attachment 0025

- Copies: two (2) hard copies and two (2) CD copies

Section M

Section M- Evaluation Procedures

- This section gives all the information of how your proposal will be evaluated and the criteria the government will put on your proposal. Read this Section Carefully.

- Each offeror will be evaluated against the solicitation criteria to determine if the offeror has the technical expertise, equipment, and personnel required to manufacture and manage the product in accordance with the delivery schedule of the solicitation. The Government will make a qualitative assessment by assigning an adjectival rating for Technical and Past Performance.

Section M Continued

- Award will be made to the responsible Offeror whose proposal represents the best value to the Government based on the integrated assessment of the following Factors and Sub-factors:

- V o l u m e I - Technical
- Sub-factor 1: Manufacturing Plan
- Sub-factor 2: Quality Assurance and Critical Safety Characteristics Plan
- Sub-factor 3: Management Plan

- V o l u m e I I – Past Performance
- Sub-factor 1: Quality
- Sub-factor 2: On-Time Delivery

- V o l u m e I I I - Price

Section M Continued

- For evaluation purposes, the Technical Factor is more important than the Past Performance Factor which is more important than the Price Factor. All evaluation Factors other than Price, when combined, are significantly more important than price.

- Technical- For evaluation purposes, the three Sub-factors within the Technical Factor are all equal in importance.

- Past Performance- Quality is slightly more important than On-Time Delivery.

- Price- There are no Sub-factors in the Price Factor

Pricing Matrix

Sample Price Matrix-
CLIN 0099: Sample Item
NSN: 1315-0X-999-9999, P/N: 55555555

First Article Test $_____

Ordering Period 1

Quantity Ranges	Unit Price	Weight
1,000 - 9,999	_____	10%
10,000 - 49,999	_____	10%
50,000 - 149,999	_____	20%
150,000 - 350,000	_____	60%
		100%

Weighted Evaluation Price $_____

EVALUATED CLIN PRICE . . . . . $_____

Tips to Developing a Better Proposal

Use your Executive Summary-

1. To directly link to evaluation factors
2. Highlight your strengths to meet evaluation factors
3. Summarize business rationale/judgment for selecting your proposal.

Pricing Matrix-

1. Make sure your Pricing Matrix is completely filled out.
2. Don’t leave anything blank for the item you are proposing.
3. Proposed prices submitted for the basic IDIQ will be valid for

   one year after date of award.

More to help make your Proposal Better

Compliance with Section L-

1. Ensure that themes and supporting rationale are linked to Section M criteria.
2. Make the evaluators job easier by linking your proposed features and benefits to specific evaluation criteria as easy and painless as possible.
3. Sec L factors/sub factors should match same areas in Section M.
4. Focused, Responsive, Organized Proposal = GOOD!
5. Say HOW you will do things!
6. Play the Evaluator- Is the proposal easy to follow? Are all requirements addressed? What makes mine special and is it apparent?

Lastly…..

- DO NOT BURY THE GOOD STUFF~ Make sure you do not put the important discriminators and benefits hidden deep in your proposal. Stress what makes you the best.
- SHOW US WHY YOU ARE VALUABLE~ Clearly highlight what makes you the best value to the Government.
- IS IT COMPLETE~ Make sure you have everything completed and filled out. Don’t forget to send all required information as listed in the solicitation.

Instructions to Open and use Certified TDP CD:

Presented By

David Basala

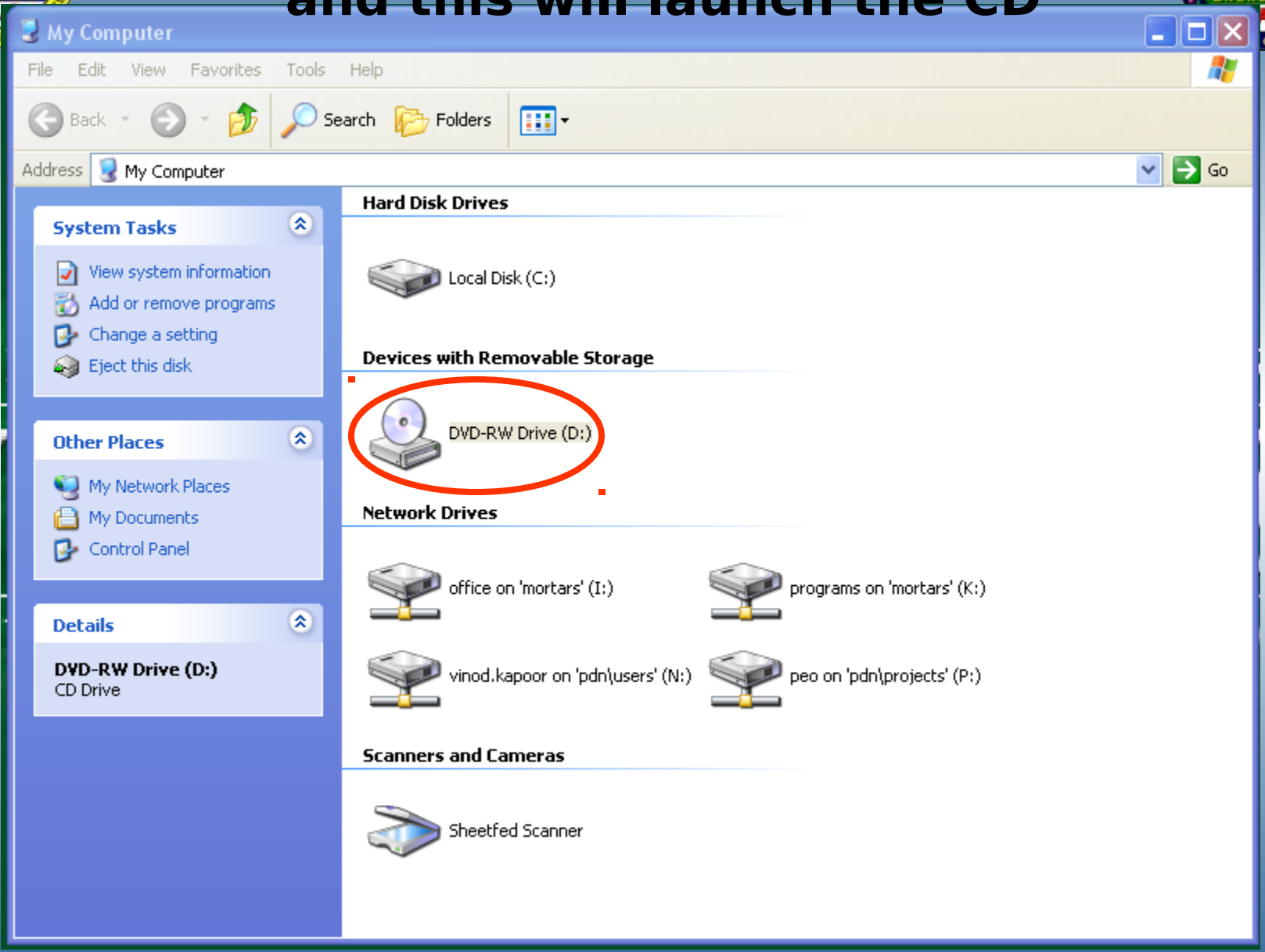
Insert the CD in the CD/DVD drive

CD/DVD Drive

Click on the My Computer ICON either at your desktop or from Start button

My Computer

Double-click the CD drive letter and this will launch the CD



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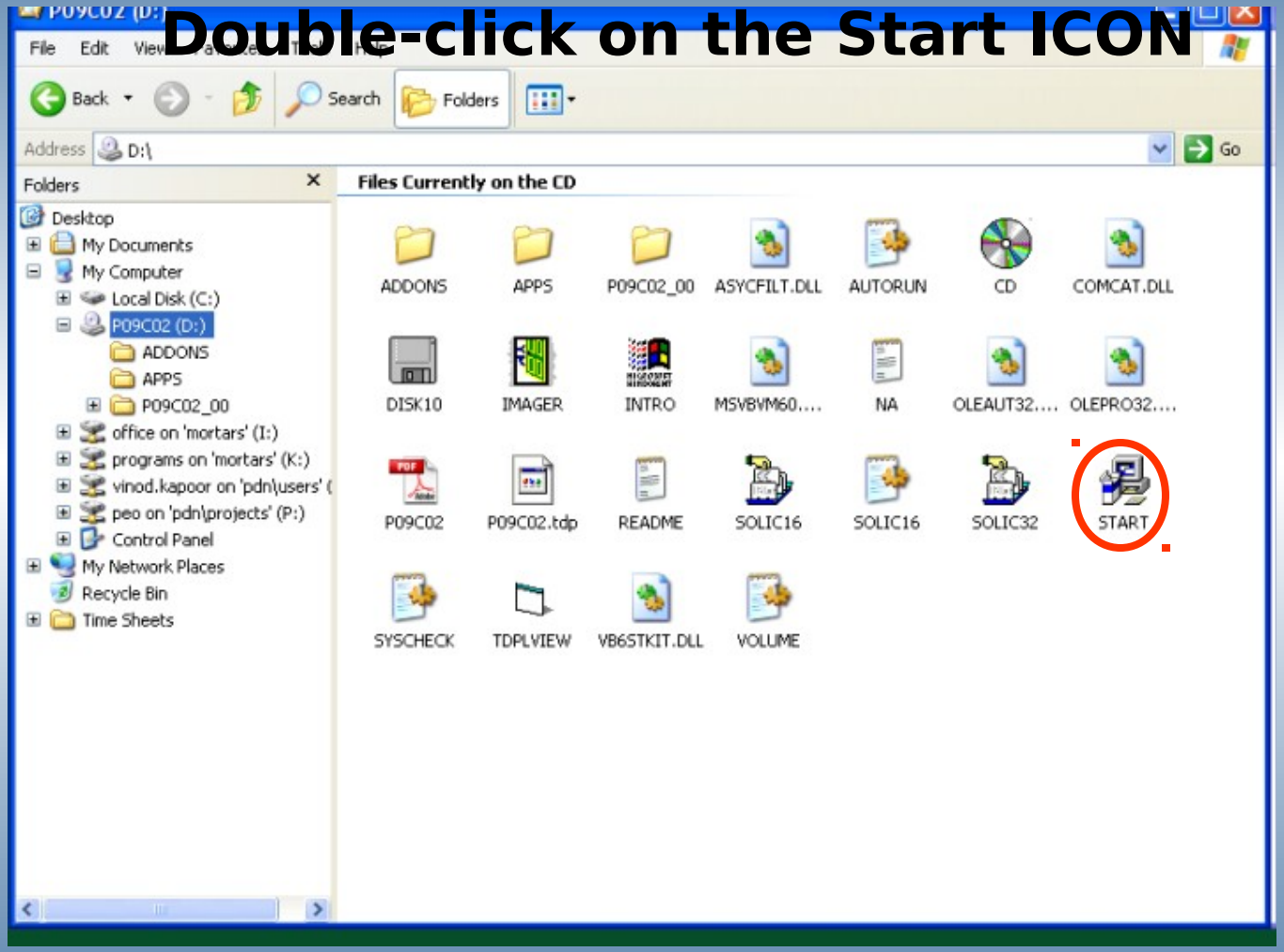
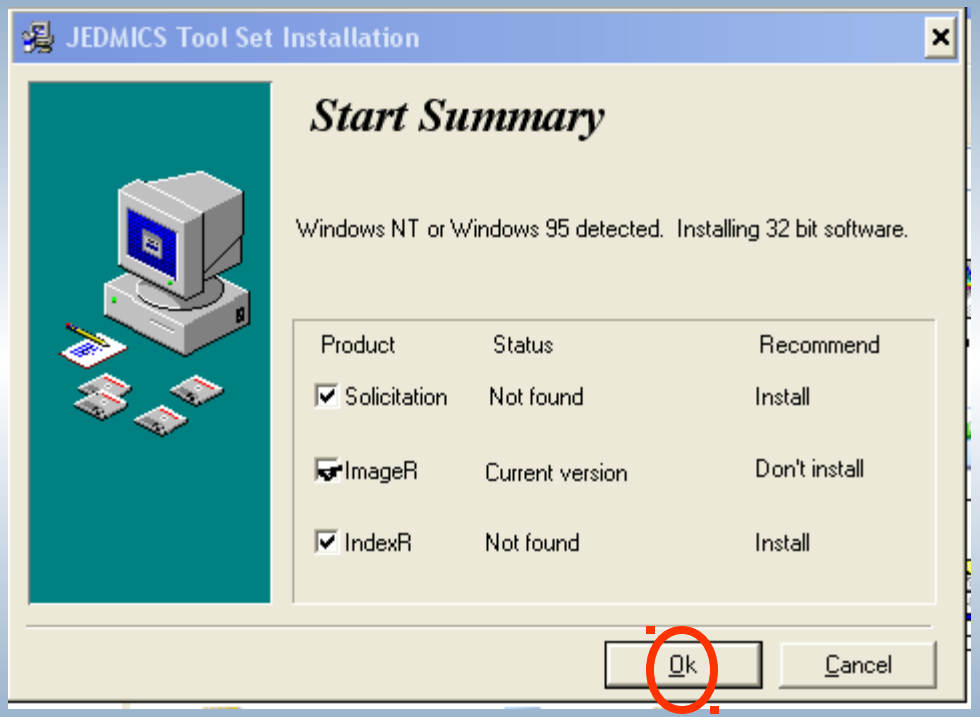
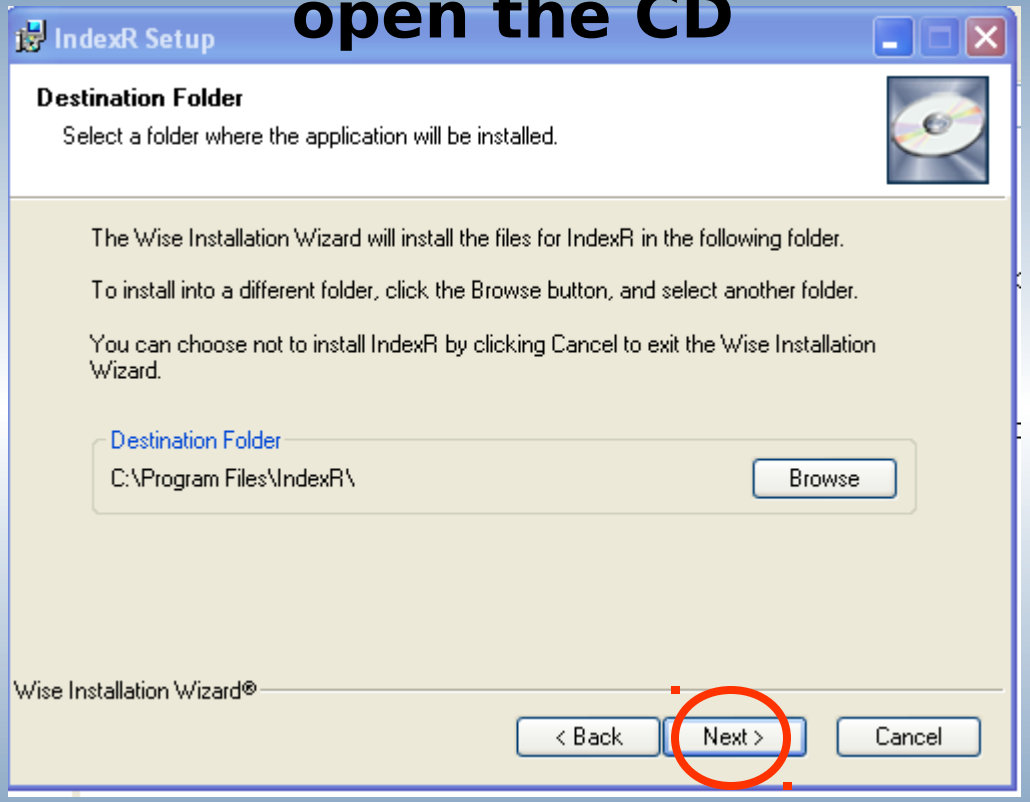


Click the OK button



Click the Next button and it load all the programs you need to open the CD



You will see the following screen again.

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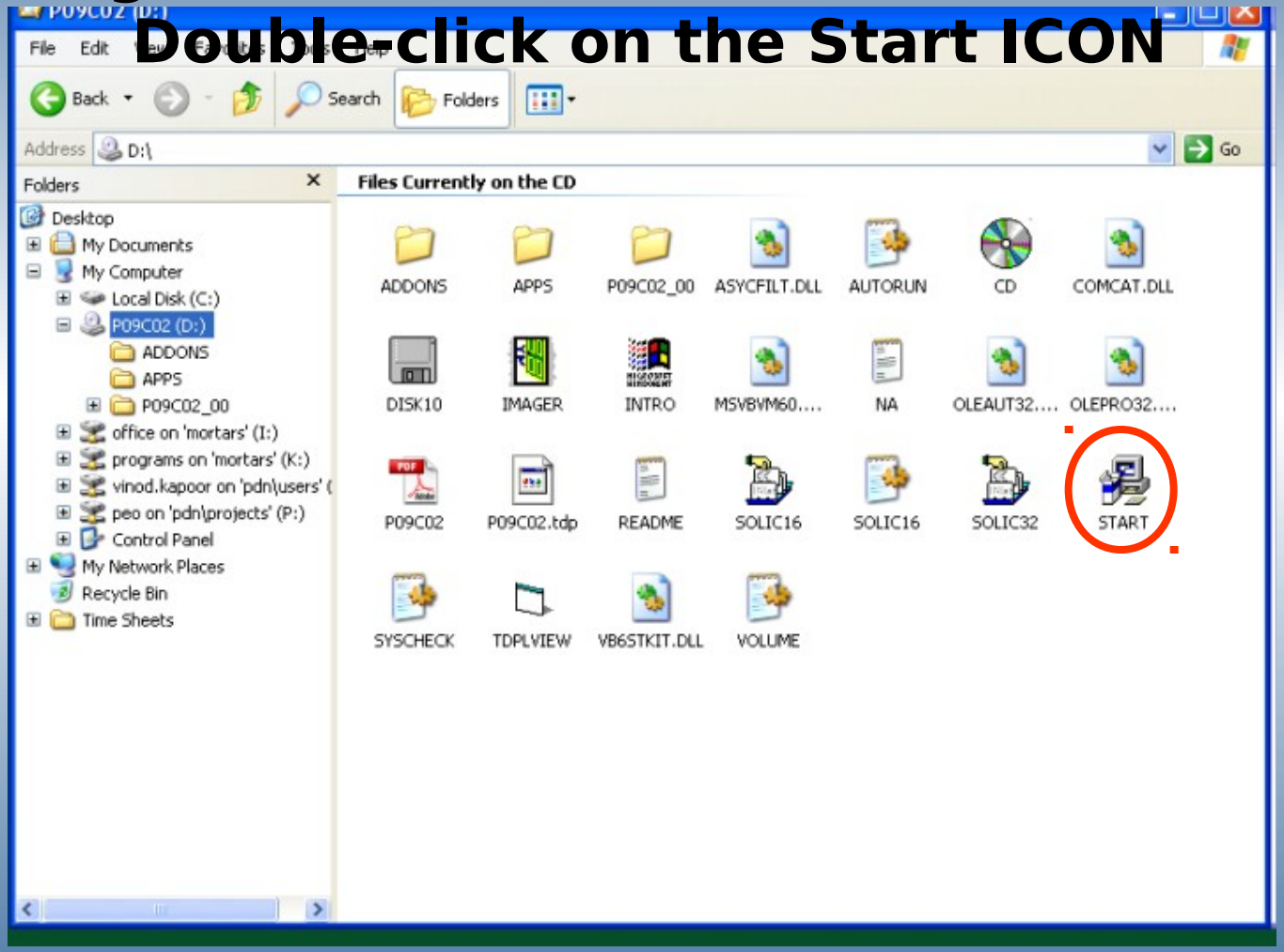
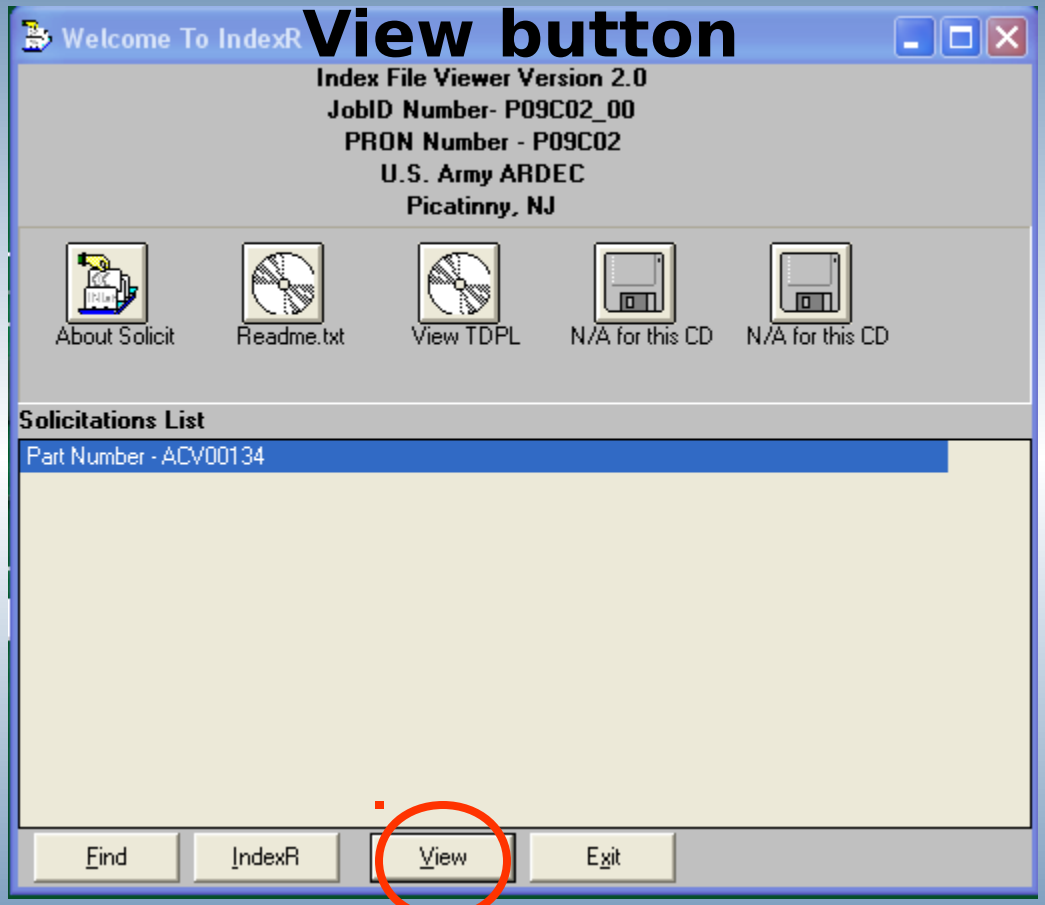
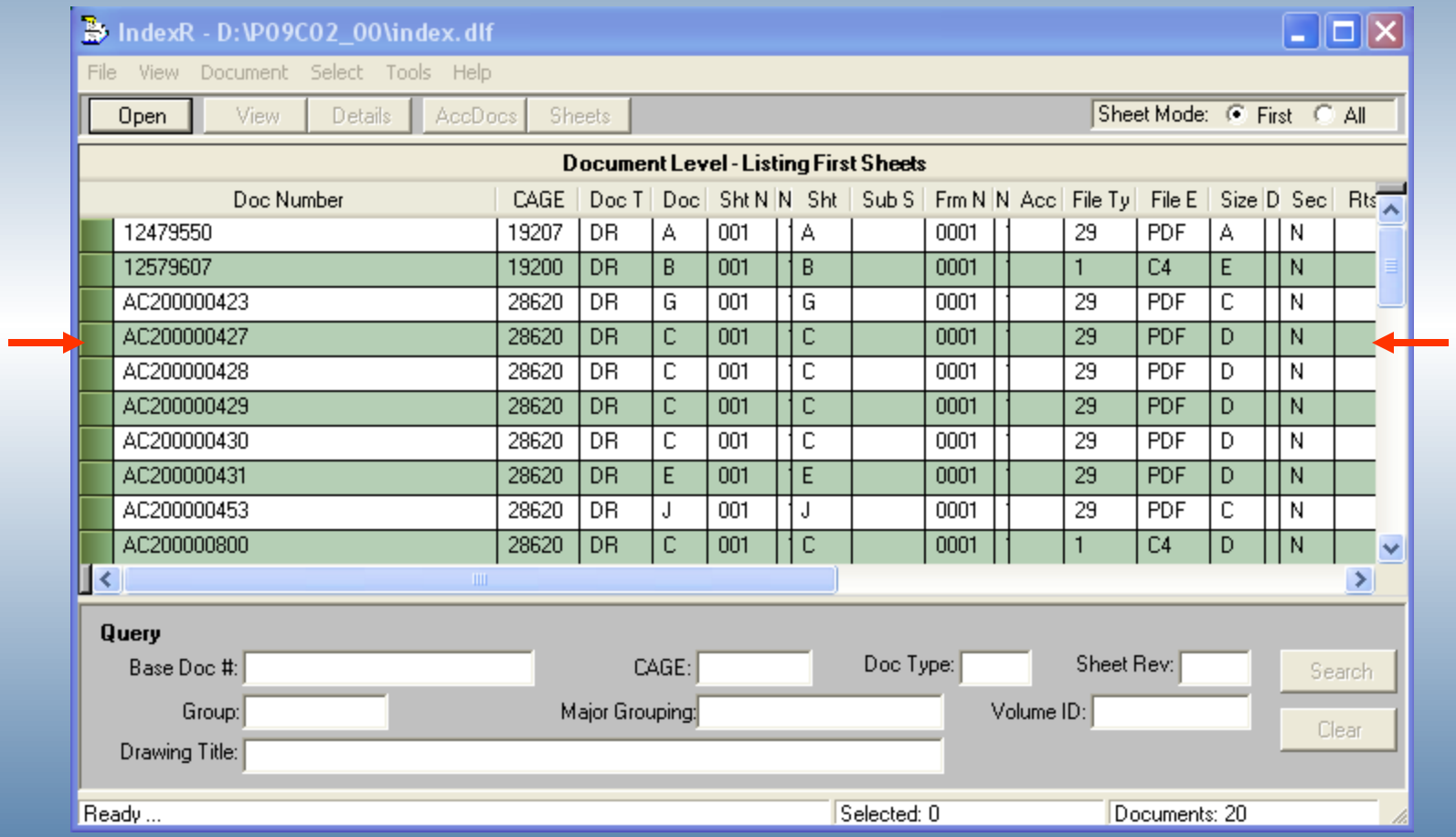


To view TDP, high light the Part Number and click on the View button



TDP screen shot . To open a drawing, double-click on any row



Drawing screen shot

REVISION			
LTR	DESCRIPTION	DATE	APPROVED
A	CHANGE PAINT THICKNESS REQUIREMENTS	87-09-17	ERNST
B	PRODUCT BASELINE ERR M8K9450	89-04-10	TT
C	NOR M2T4200 92-07-20 (ECP M3T4030 93-11-02)		SCHULTZ
D	(ECP M4T3005 94-06-02) NOR M5T8003 95-05-09	94-11-02 95-06-07	SCHULTZ
E	NOR M5T3003 95-06-22 (ECP M6R3004) 96-02-22	96-04-11	MICHELS
F	ECP R8T8020 98-08-31	99-02-17	BARTOSIAK
G	ECP R05T5076 05-03-22	06-02-23	BARTOSIAK

1. DETAIL REQUIREMENTS FOR SURFACE PREPARATION (CLEANING AND PRETREATMENT) TO BARE METAL PRIOR TO PRIMING AND PAINTING.

   1.1 ALL SURFACES SHALL BE THOROUGHLY CLEANED SUCH THAT THE BARE METAL SURFACES ARE FREE FROM OIL, GREASE, DIRT, SCALE, RUST, FOREIGN MATTER AND LOOSE WELD SPATTER. THE CLEANING METHOD SHALL BE IN ACCORDANCE WITH ANY METHOD IN TABLE IV OF MIL-STD-171. PARTICULAR CARE MUST BE TAKEN TO REMOVE WELD SLAG AND LOOSE WELD SPATTER FROM WELDS AND ADJACENT AREAS.

   1.2 IMMEDIATELY AFTER CLEANING, ANY SOLVENTS OR MOISTURE SHALL BE COMPLETELY REMOVED. THESE CLEAN DRY SURFACES SHALL THEN HAVE A PRETREATMENT APPLIED IN ACCORDANCE WITH MIL-STD-171. FOR STEEL SUBSTRATES THE PRETREATMENT TO USE IS ZINC PHOSPHATE, FINISH NO. 5.1.1, IRON PHOSPHATE, FINISH NO. 5.1.2 OR WASH PRIMER, FINISH NO. 5.2.

   1.3 IMMEDIATELY PRIOR TO PRIMING, ALL SURFACES WHICH HAVE BEEN CLEANED AND PRETREATED IN ACCORDANCE WITH PARAGRAPH 1.1 AND 1.2 SHALL BE CHECKED FOR THOROUGH CLEANLINESS. ANY ACCUMULATION OF OIL, GREASE, DUST, RESIDUES FROM THE CLEANING PROCESS OR ANY FOREIGN MATERIAL SHALL BE COMPLETELY REMOVED. THE USE OF SOLVENTS MEETING THE REQUIREMENTS OF TABLE IV, FINISH NO. 4.3 OF MIL-STD-171 IS ACCEPTABLE. THE COMPLETE DRYING OF ANY SOLVENTS OR MOISTURE IS ESSENTIAL.

2. DETAIL REQUIREMENTS FOR APPLICATION OF ANTI-CORROSIVE PRIMER PAINT.

   2.1 PRIMER SHALL BE APPLIED ON ALL SURFACES IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS AND PARAGRAPHS 5.2.1 AND 5.2.2 OF MIL-STD-171 (EXCEPT THAT WHEN ACCELERATED DRYING IS EMPLOYED, OVEN TEMPERATURE IS NOT TO EXCEED 200 DEGREES F). MIL-P-53022, MIL-P-53030, OR MIL-P-53084 MAY BE USED ON EITHER FERROUS OR NON-FERROUS MATERIALS.

   2.2 ONE COAT OF PRIMER SHALL BE APPLIED AS PROMPTLY AS POSSIBLE AFTER THE SURFACES HAVE BEEN PREPARED AND CLEANED BY THE AFOREMENTIONED PROCEDURES. THE PRIMER SHALL BE DRY TO THE TOUCH IN ACCORDANCE WITH MIL-C-53072. ALL EPOXY PRIMERS SHALL BE PROPERLY DRIED BEFORE TOPCOATING, PRIMER DRY FILM THICKNESS SHALL BE APPLIED TO ATTAIN THE 336 HOUR SALT SPRAY REQUIREMENT. RECOMMENDED THICKNESS RANGE IS .0010 TO .0035 INCHES (.0254 TO .0889 MM).

3. DETAIL REQUIREMENTS FOR APPLICATION OF POLYURETHANE TOPCOAT PAINT.

   3.1 TOPCOAT SHALL BE APPLIED ON EXTERIOR SURFACES ONLY IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS OR PARAGRAPHS 5.2.1 AND 5.2.2 OF MIL-STD-171. UNLESS OTHERWISE SPECIFIED, THE TOPCOAT COLOR SHALL BE GREEN NO. 383 IN ACCORDANCE WITH MIL-C-46168 OR MIL-C-53039.

   3.2 TOPCOAT DRY FILM THICKNESS OF MIL-C-46168 AND MIL-C-53039 SHALL BE .0018 TO .0035 INCHES, (.0457 TO .0889 MM) TOTAL APPLIED IN TWO COATS, THE SECOND COAT MAY BE APPLIED IN ACCORDANCE WITH MIL-C-53072 OR MANUFACTURERS RECOMMENDATIONS.

   3.3 ALL REWORK SHALL BE IN ACCORDANCE WITH PARAGRAPH 3.6.1 OF MIL-C-53072.

   3.4 ALTERNATE COATINGS MAY BE USED IF APPROVED BY THE CONTRACTING OFFICER.

4. DETAIL REQUIREMENTS FOR APPLICATION TO PREVIOUSLY PAINTED SUBSTRATES.

   4.1 ALL PREVIOUSLY PAINTED SURFACES MUST BE CLEAN AND FREE FROM RUST. WHERE RUST EXISTS, MECHANICAL CLEANING IN ACCORDANCE WITH FINISH NO. 4.1 OF MIL-STD-171 (WIREBRUSH IS ACCEPTABLE) SHALL BE PERFORMED UNTIL BRIGHT METAL IS EXPOSED. ONE COAT OF POLYURETHANE PAINT PER MIL-C-46168 OR MIL-C-53039 CAN BE APPLIED DIRECTLY OVER EXISTING ENAMEL OR POLYURETHANE COATINGS WITHOUT ANY ADDITIONAL SURFACE PREPARATION EXCEPT CLEANING. IF THE SURFACE IS BROKEN DOWN TO THE SUBSTRATE, THAT AREA MUST BE CLEANED, PRETREATED, PRIMED AND TOPCOATED PER PARAGRAPH 1 THROUGH 3. THE POLYURETHANE COATING SHALL NOT HOWEVER, BE DIRECTLY APPLIED OVER LACQUER. THE LACQUER MUST BE REMOVED DOWN TO THE BARE METAL BEFORE POLYURETHANE COATING IS APPLIED PER PARAGRAPHS 1 THROUGH 3.

   4.2 WHERE VENDOR PARTS ARE SUPPLIED TO THE PRIME ORIGINAL EQUIPMENT MANUFACTURER (OEM) ALREADY ENAMEL PAINTED, THE PRIME OEM WILL HAVE TO REPAINT PER PARAGRAPH 4.1 BY APPLYING DIRECTLY OVER THE EXISTING ENAMEL COATING. IF THE VENDOR PARTS ARRIVE JUST ENAMEL PRIMED (WHICH IS PREFERABLE), WITH SPECIFICATION PRIMERS SUCH AS TT-P-1757 OR TT-P-664, THEN THE POLYURETHANE PAINT PER PARAGRAPH 4.1 WILL BE APPLIED DIRECTLY OVER PRIMED SURFACES. IF THE ENAMELS ON THE VENDOR PARTS ARE OF A COMMERCIAL OR UNKNOWN TYPE THEY MUST BE TESTED BEFORE THE POLYURETHANE CAN BE APPLIED. THIS ENTAILS APPLYING POLYURETHANE PAINT TO A SMALL AREA OF THE PART AND OBSERVING FOR A PERIOD OF 15 MINUTES FOR ANY DEFECTS SUCH AS BLISTERING, DELAMINATION OR BLEEDING. IF NONE ARE OBSERVED, THE REMAINDER OF THE PARTS CAN BE PAINTED. IF THERE IS A DEFECT, THE PARTS MUST BE CLEANED, PRETREATED, PRIMED AND TOPCOATED AS PREVIOUSLY DESCRIBED FOR BARE SUBSTRATES IN PARAGRAPH 1 THROUGH 3.

5. TESTING.

   5.1 PALLETS AND/OR ADAPTERS FINISHED IN ACCORDANCE WITH PARAGRAPH 2, 3, AND 4 AS APPLICABLE SHALL BE TESTED FOR PAINT ADHESION USING ACTUAL PRODUCTION ITEMS.

   5.2 THE PRIMER AND TOPCOAT SHALL BE ADHESION TESTED IN ACCORDANCE WITH PARAGRAPH 4.2.7.2 OF TT-C-490.

   5.3 THE PRIMER AND TOPCOAT SHALL BE TESTED IAW PARAGRAPH 4.2.8 OF TT-C-490.

   5.4 MIL-C-53072, PARAGRAPH 4.3.3.7 APPLIES.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. BREAK SHARP CORNERS AND EDGES.
TOLERANCES ON
FRACTIONS ±
DECIMALS ±
ANGLES ±
MATERIAL

DATE 86-05-09
DFTSMN DH | CHECKER KD | PROJ ENGR ZAJICEK
ENGR-DIV T. J. MICHELS, CHIEF, SUPPLY ENGINEERING DIV
SUBMITTED W. F. ERNST, CHIEF, LOGISTICS ENGINEERING OFFICE
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND (AMC)
JOHN L. BYRD, JR.
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL

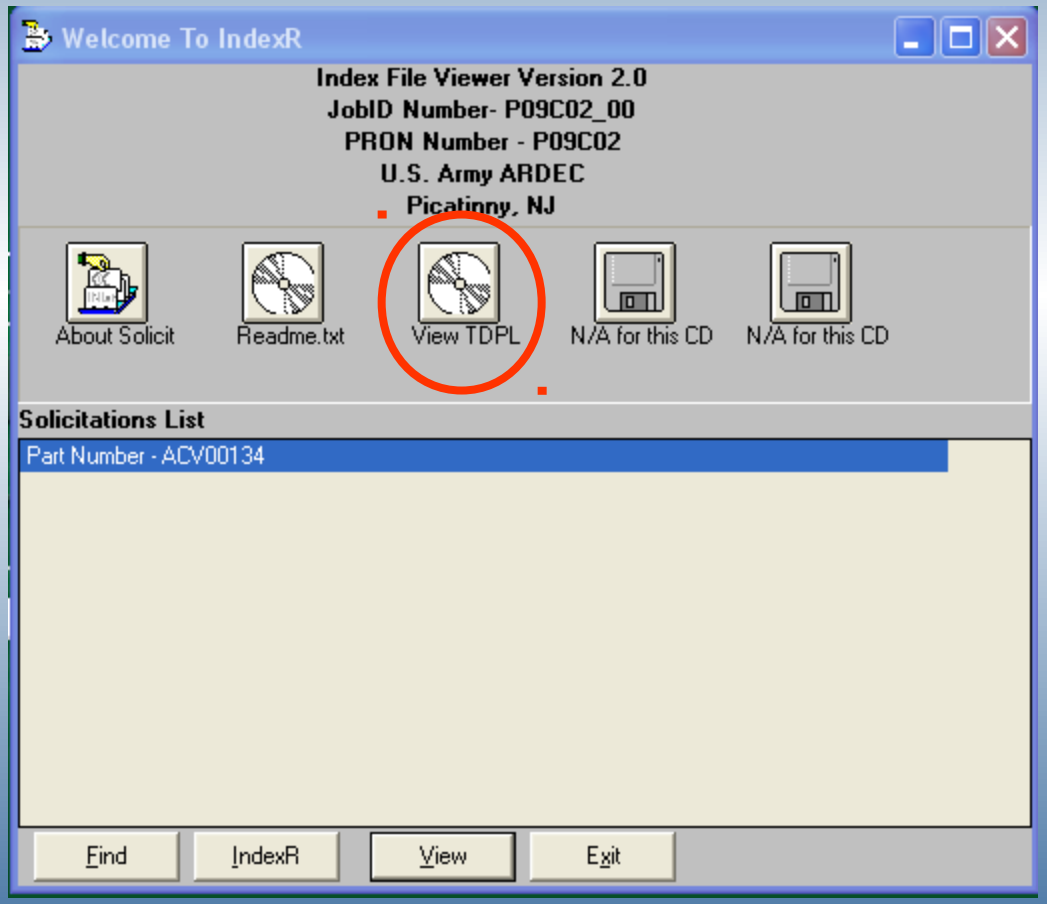
DESIGN ACTIVITY
U.S. ARMY
ARMAMENT, MUNITIONS AND CHEMICAL COMMAND
DEFENSE AMMUNITION CENTER AND SCHOOL
SAVANNA, ILLINOIS 61074-9639

CHEMICAL AGENT RESISTANT COATING (CARC) FINISHING REQUIREMENTS FOR METAL PALLETS AND/OR PALLET ADAPTERS

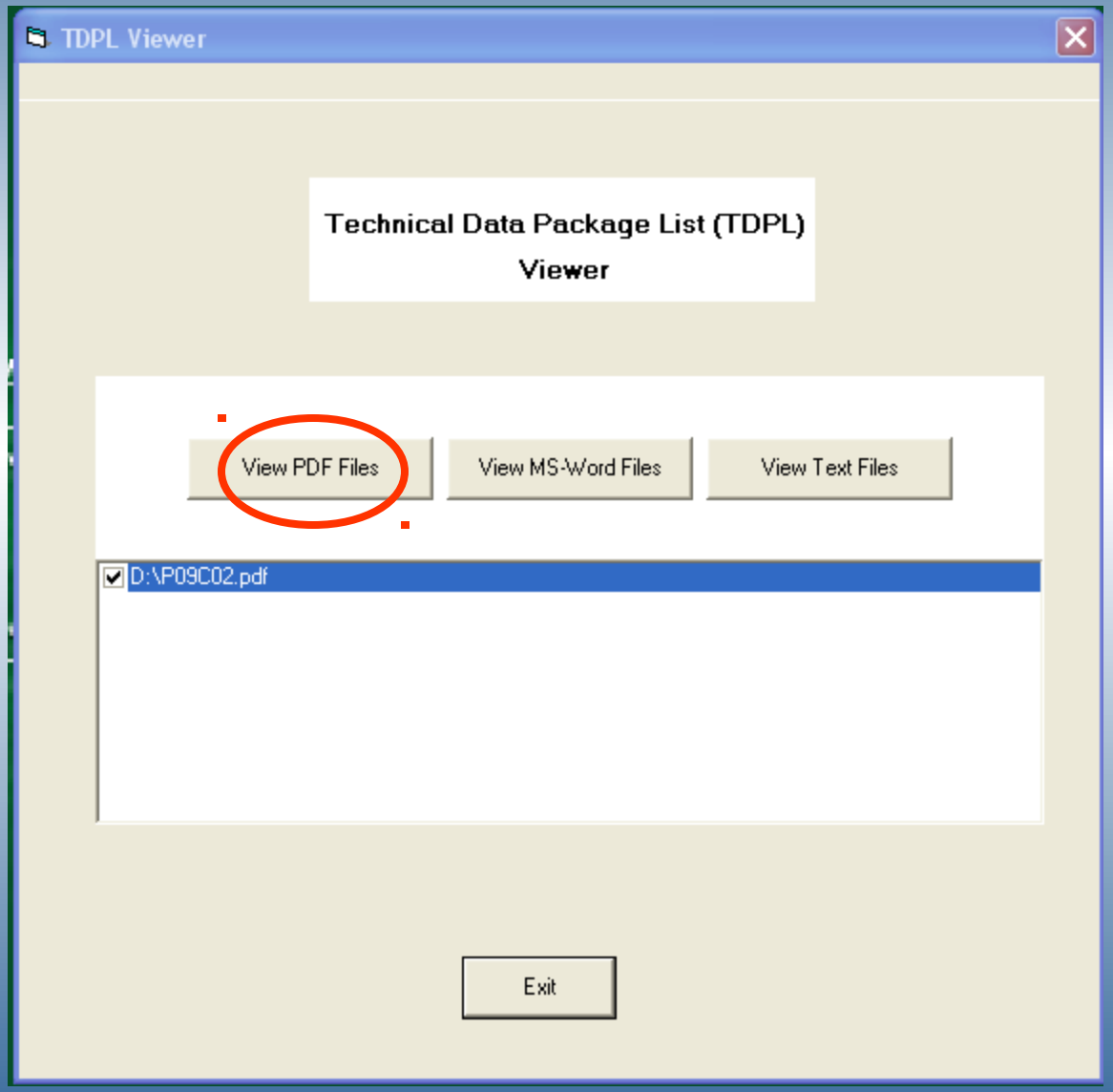
SIZE	CAGE CODE	
C	28620	AC200000423

SCALE NONE | UNIT WT | SHEET 1 OF 1

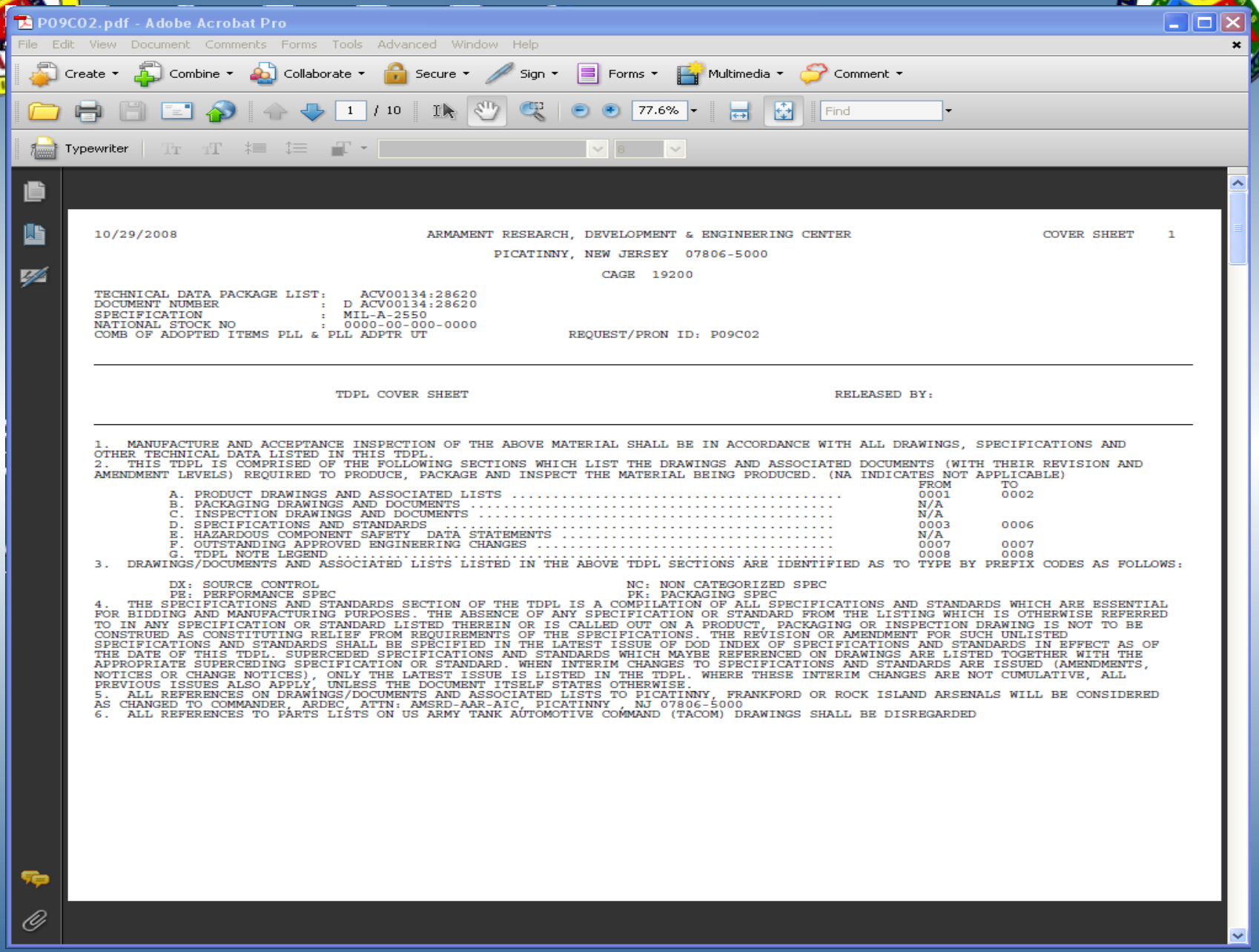
To view TDPL, high light the Part Number and click on the View TDPL button



To view TDPL, high light the Part Number and click on the View PDF Files button



TDPL screen shot



10/29/2008 ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER COVER SHEET 1

PICATINNY, NEW JERSEY 07806-5000

CAGE 19200

TECHNICAL DATA PACKAGE LIST: ACV00134:28620
DOCUMENT NUMBER : D ACV00134:28620
SPECIFICATION : MIL-A-2550
NATIONAL STOCK NO : 0000-00-000-0000
COMB OF ADOPTED ITEMS PLL & PLL ADPTR UT REQUEST/PRON ID: P09C02

TDPL COVER SHEET RELEASED BY:

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1. MANUFACTURE AND ACCEPTANCE INSPECTION OF THE ABOVE MATERIAL SHALL BE IN ACCORDANCE WITH ALL DRAWINGS, SPECIFICATIONS AND OTHER TECHNICAL DATA LISTED IN THIS TDPL.
2. THIS TDPL IS COMPRISED OF THE FOLLOWING SECTIONS WHICH LIST THE DRAWINGS AND ASSOCIATED DOCUMENTS (WITH THEIR REVISION AND AMENDMENT LEVELS) REQUIRED TO PRODUCE, PACKAGE AND INSPECT THE MATERIAL BEING PRODUCED. (NA INDICATES NOT APPLICABLE)

	FROM	TO
A. PRODUCT DRAWINGS AND ASSOCIATED LISTS	0001	0002
B. PACKAGING DRAWINGS AND DOCUMENTS	N/A	
C. INSPECTION DRAWINGS AND DOCUMENTS	N/A	
D. SPECIFICATIONS AND STANDARDS	0003	0006
E. HAZARDOUS COMPONENT SAFETY DATA STATEMENTS	N/A	
F. OUTSTANDING APPROVED ENGINEERING CHANGES	0007	0007
G. TDPL NOTE LEGEND	0008	0008

3. DRAWINGS/DOCUMENTS AND ASSOCIATED LISTS LISTED IN THE ABOVE TDPL SECTIONS ARE IDENTIFIED AS TO TYPE BY PREFIX CODES AS FOLLOWS:

DX: SOURCE CONTROL NC: NON CATEGORIZED SPEC
PE: PERFORMANCE SPEC PK: PACKAGING SPEC

4. THE SPECIFICATIONS AND STANDARDS SECTION OF THE TDPL IS A COMPILATION OF ALL SPECIFICATIONS AND STANDARDS WHICH ARE ESSENTIAL FOR BIDDING AND MANUFACTURING PURPOSES. THE ABSENCE OF ANY SPECIFICATION OR STANDARD FROM THE LISTING WHICH IS OTHERWISE REFERRED TO IN ANY SPECIFICATION OR STANDARD LISTED THEREIN OR IS CALLED OUT ON A PRODUCT, PACKAGING OR INSPECTION DRAWING IS NOT TO BE CONSTRUED AS CONSTITUTING RELIEF FROM REQUIREMENTS OF THE SPECIFICATIONS. THE REVISION OR AMENDMENT FOR SUCH UNLISTED SPECIFICATIONS AND STANDARDS SHALL BE SPECIFIED IN THE LATEST ISSUE OF DOD INDEX OF SPECIFICATIONS AND STANDARDS IN EFFECT AS OF THE DATE OF THIS TDPL. SUPERCEDED SPECIFICATIONS AND STANDARDS WHICH MAYBE REFERENCED ON DRAWINGS ARE LISTED TOGETHER WITH THE APPROPRIATE SUPERCEDING SPECIFICATION OR STANDARD. WHEN INTERIM CHANGES TO SPECIFICATIONS AND STANDARDS ARE ISSUED (AMENDMENTS, NOTICES OR CHANGE NOTICES), ONLY THE LATEST ISSUE IS LISTED IN THE TDPL. WHERE THESE INTERIM CHANGES ARE NOT CUMULATIVE, ALL PREVIOUS ISSUES ALSO APPLY, UNLESS THE DOCUMENT ITSELF STATES OTHERWISE.
5. ALL REFERENCES ON DRAWINGS/DOCUMENTS AND ASSOCIATED LISTS TO PICATINNY, FRANKFORD OR ROCK ISLAND ARSENALS WILL BE CONSIDERED AS CHANGED TO COMMANDER, ARDEC, ATTN: AMSRD-AAR-AIC, PICATINNY , NJ 07806-5000
6. ALL REFERENCES TO PARTS LISTS ON US ARMY TANK AUTOMOTIVE COMMAND (TACOM) DRAWINGS SHALL BE DISREGARDED

Informational Web Sites

- Picatinny
  - ✓ http://procnet.pica.army.mil
    - Business Opportunities
    - Solicitations
    - W15QKN-09-R-0364
- Rock Island
  - ✓ http://www.aschq.army.mil/ac/aais/ioc/ArtilleryandMortar/Artillery.aspx
    - W52P1J-08-R-0088
- Both
  - ✓ https://www.fbo.gov

Summary

- Pre-qualify contractors
- Streamlined Evaluation Process
- Anticipate awarding Delivery Orders within 60 days from issuance of contemplation letter

Visitor Badges

- All RIA visitor badges need to be returned prior to departure from Industry Day.
- Please pass all visitors badges to the right and they will be collected.

THANK YOU FOR YOUR TIME & PARTICIPATION

ADDITIONAL SLIDES

- Slides 65 – 84 are specific to the Picatinny procurement and will be presented at the Picatinny Industry Day Conference on January 16, 2009.

Industry Day

PICATINNY

Contracting & Technical Overview

Solicitation and Evaluation

Contracting Officer Overview

Presented by: Mrs. Errol T. Chisholm

ProcNet Configuration

- http://procnet.pica.army.mil
  - ✓ http://procnet.pica.army.mil/dbi/download/GoGetSolicitation.cfm?SolNum=W15QKN-09-R-0364
  - ✓ Click on Business Opportunities
  - ✓ Click on Solicitations
  - ✓ Click on W15QKN-09-R-0364

- ProcNet Configuration
  - ✓ Attachment 1-3 TDP Lists and Non-Disclosure Form
  - ✓ Attachment 4 Industry Day Announcement
  - ✓ Attachment 5 DRAFT Solicitation
  - ✓ Attachment 6-32 Individual Component Folders

ProcNet Configuration

W15QKN-09-R-0364

Closing Date: 02/20/2009

Subject: 99--Production of Artillery and Mortar Components

Solicitation		
View Announcement	Magda Szymanski, Contract Specialist, (973)724-3832	magda.m.szymanski@us.army.mil

FBO Amendment Notice	
Amendment Notice Number	FBO Notice Issuance
0001	11/25/2008

Attachment To Solicitation

Download Attachment	Attachment Description	Attachment Post Date
Attachment 32.Zip	Shell Body, Proj 60mm, HE, M720A1/M768	12/22/2008
Attachments 7-31 added here	All other Components will be added here	12/22/2008
Attachment 6.Zip	Container, Metal, PA154, f/ 120mm M983/M930	12/22/2008
Industry Day.Zip	Industry Day Announcement	12/11/2008
Draft Rfp 09r0364.Zip	Draft RFP W15QKN-09-R-0364	12/10/2008
Attachment 3.Zip	Non-Disclosure Agreement	12/02/2008
Attachment 2.Zip.Zip	List of ASC Artillery and Mortar Components	12/02/2008
Attachment 1.Zip	List of Artillery and Mortar Components	11/25/2008

Solicitation Configuration

Section B (pages 8-9)

- Three CLINS: Basic 5 Years; Data Items; Option 5 Years
  - Do not fill in prices here
  - Prices go in Section J (Delivery Order 1 and Pricing Matrix)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Production of Ammunition Components FFP The contractor shall provide the specific artillery or mortar component in accordance with the Statement of Work and Delivery Orders issued by the Contracting Officer periodically for a period of five years starting on the date the contract is awarded. FOB: Origin				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Data Items FFP The contractor shall provide data in accordance with the Statement of Work, DD Form 1423 Contract Data Requirements List, and Delivery Orders issued by the Contracting Officer periodically for a period of five years from the date of contract award. FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003 OPTION	Production of Ammunition Components FFP The contractor shall provide the specific artillery or mortar component in accordance with the Statement of Work and Delivery Orders issued by the Contracting Officer periodically for a period of five years starting on the date the option is exercised. FOB: Origin				

Solicitation Configuration
Sections C, D, E, J

- Refer to Individual Component Folders in ProcNet for:
  - ✓ Section C Statement of Work
  - ✓ Section D Packaging and Marking Requirements
  - ✓ Section E Inspection and Acceptance Requirements
  - ✓ Section J Attachments
    - DD1423s
    - Delivery Order 1
    - Pricing Matrix

IDIQ Contract Evaluation

- Section L - Proposal Instructions
- Section M - Basis for Award

- Evaluation Factors
  - ✓ Technical Factor
    - Subfactor 1: Manufacturing Plan
    - Subfactor 2: Quality Assurance & Critical Safety Characteristics Plan
    - Subfactor 3: Management Plan
  - ✓ Past Performance Factor
  - ✓ Price Factor

IDIQ Contract Evaluation

Evaluated Price for Contract

- Sum of the prices for FAT and production quantities for all 10 years
  - ✓ Use Pricing Matrix in Individual Component Folders in ProcNet
  - ✓ Sample is in Section J, Attachment II, of the Solicitation

Delivery Order Evaluation

Evaluated Price for Deliver Order 1

- Sum of the prices for FAT and production quantities
  - ✓ Use Delivery Order 1 in Individual Component Folders in ProcNet
  - ✓ Sample is in Section J, Attachment I, of the Solicitation

Sample Delivery Order Evaluation

Evaluated Price for Sample Deliver Order

- For the FAT, the evaluated price will be the proposed price.
- For production items with multiple quantity ranges, the evaluated price will be calculated by computing a weighted average unit price and multiplying by the maximum quantity identified in the Delivery Order.

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70
Rental Equivalent Factor for Value of Government-Owned Production & Research Property						$7,000.00
Total Evaluated Price-All Items						$1,915,237.70

Sample Delivery Order Evaluation *(cont.)*

1) The evaluated quantity for each quantity range will be the maximum quantity within that range.

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70
Rental Equivalent Factor for Value of Government-Owned Production & Research Property						$7,000.00
Total Evaluated Price-All Items						$1,915,237.70

Sample Delivery Order Evaluation *(cont.)*

2) The evaluated quantity will be multiplied by the proposed unit price to determine the evaluated amount for each quantity range.

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70
Rental Equivalent Factor for Value of Government-Owned Production & Research Property						$7,000.00

Sample Delivery Order Evaluation *(cont.)*

3) The sum of the evaluated amounts will be divided by the sum of the evaluated quantities to derive the average unit price.

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70
Rental Equivalent Factor for Value of Government-Owned Production & Research Property						$7,000.00
Total Evaluated Price-All Items						$1,915,237.70

Sample Delivery Order Evaluation *(cont.)*

4) The average unit price will be multiplied by the maximum quantity of the highest quantity range to determine the weighted evaluated price of the production quantities

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70
Rental Equivalent Factor for Value of Government-Owned Production & Research Property						$7,000.00

Sample Delivery Order Evaluation *(cont.)*

5) The Total Evaluated Price will be the sum of the evaluated price for the First Article, the weighted evaluated price of the production quantities, and a rental equivalent factor for the value of any Government-owned Production & Research Property in the offeror's possession.

Description	Quantity Range	Evaluated Quantity	Proposed Unit Price	Evaluated Amount	Average Unit Price	Evaluated Price
FAT	N/A	1	$2,500.00	N/A	N/A	$2,500.00
Production	1,000-5,000	5,000	$15.00	$75,000		
	5,000-50,000	50,000	$14.00	$700,000		
	50,001-100,000	100,000	$13.00	$1,300,000		
	100,001-150,000	150,000	$12.00	$1,800,000		
Total		305,000		$3,875,000	$12.70	$1,905,737.70

Industry Day

Ken Hurban Chief, Artillery Ammunition

Technical Requirements

Technical Requirements

- PM CAS expects and works towards delivering only the highest quality products to our Warfighters
  - ✓ Safety, Reliability and Cost Effectiveness are key program and contract imperatives
- In order to achieve these imperatives PM CAS has implemented a number of Quality Requirements into the IDIQ contract

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Quality Data Requirements

- Quality Management System (QMS) (Required for all Items)
  - ✓ Compliant to ISO 9001-2000 or equivalent
  - ✓ Prime/Sub-contractor QMS Audits – Plan to conduct annual audits
- Critical Characteristics Clause (JM&L 176) (As Required per Item Spec)
  - ✓ Processes designed to have no more than one Critical non-conformance escape in one million items delivered
  - ✓ Use of automated inspection equipment, where feasible
  - ✓ A Quality system that ensures non-conformances are identified and segregated
- Process Control (As Required per Item Spec)
  - ✓ General Process Control and Statistical Process Control (SPC)
  - ✓ SPC Program Plan consisted of a General Plan and a Detailed Plan
  - ✓ Mandatory characteristics for SPC will be included in Section of the contract

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Quality Data Requirements

- Acceptance Inspection Equipment (AIE)
  - ✓ Designs to be submitted for all examinations and tests required by the item specifications
  - ✓ Must be available prior to First Article, if required
- Ammunition Data Cards (ADC)
  - ✓ In accordance with MIL-STD-1168B
  - ✓ Submitted thru World-Wide Ammunition-Data Repository Program
  - ✓ W.A.R.P. ➔located under: https://aeps.ria.army.mil/aepspublic.cfm
- Rework and Repair Procedure Requirement
  - ✓ Description and Cause of non-conformance, and Actions to be taken to be submitted to Government for review
  - ✓ Engineering Change Actions (ECA)

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Quality Data Requirements

- Post Award
  - ✓ Conducted after award to review/clarify all contract requirements
- Independent Verification of Destructive Testing/Analysis of Materials
  - ✓ Tensile Testing
  - ✓ Chemical Analysis
- First Article Testing
  - ✓ Contractor In-Plant Inspections and Test
  - ✓ Government Proving Ground Ballistic Testing (if applicable)
- Lot Acceptance Requirements:
  - ✓ MIL-STD-1916 (Zero Based Acceptance Criteria)
  - ✓ Ballistic Testing (As applicable)

All Contracts Will Be Subject to Quality Audit Plan